

**G046**  
**2-Ethylhexanol [104-76-7]**

**Results of Testing**

Chemical Name	CAS No.	Study Code/Type	Protocol/Guideline	Species	Exposure	Dose/Concentration	No. per Group	Results	Reference
2-Ethylhexanol	104-76-7	HECTOXCARC Oncogenicity study	40 CFR 798.3300 (modified)	mice	oral (gavage), 18 months	0, 50, 200, 750 mg/kg/d	50/sex	No substance related changes were seen at 50 or 200 mg/kg/day. At 750 mg/kg/day, reduced body weight gain related to decreased food consumption and increased mortality were noted; also a treatment-related hematological changes and slight, but not statistically significant, increase was noted in focal hyperplasia of the epithelium of the forestomach. No statistically-significant increases were noted in tumor incidence. 2-EH was not oncogenic in the mouse under the conditions of the assay.	57 FR 5454; 2/14/92, OTS0540337, Docket# OPTS- 44581
2-Ethylhexanol	104-76-7	HECTOXCARC Oncogenicity study	40 CFR 798.3300 (modified)	rat	oral (gavage), 5 d/wk, 24 months	0, 50, 150, 500 mg/kg/d	50/sex	Dose-related reduced body weight gain was noted at 150 mg/kg/day and higher, and clinical findings included poor general condition, labored breathing, and piloerection. Mortality occurred in females at 500 mg/kg/day. No evidence of oncogenicity was noted at any level.	57 FR 8454; 3/10/92, OTS0540339, Docket# OPTS- 44581
2-Ethylhexanol	104-76-7	HERTOXTERA Developmental toxicity	Non-TSCA Protocol/ Guideline (see docket #OPTS- 42087B)	rat	dermal, 6 hr/d, gestation days 6 through 15	0.3, 1.0, 3.0 mL/kg/d (neat)	25 mated females	Exposure by occluded dermal patch led to maternal toxicity (reduced weight gain) at the 3.0 mL/kg/day level, and exfoliation at the application site was seen at 1.0 mL/kg/day. No evidence of embryotoxicity, fetotoxicity, or teratogenicity were noted at any dose level. The NOAEL for maternal toxicity was 0.3 mL/kg/day, and for developmental toxicity, at least 3.0 mL/kg/day.	52 FR 27452; 7/21/87, OTS0530802